What is claimed is:

1. A method of displaying icons within a data processing system having a display screen, comprising the steps of:

first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system;

second determining a designated area of said display screen for displaying said plurality of icons; and

automatically scaling each of said plurality of icons in response to said quantity of said plurality of icons and said designated area such that said plurality of icons can be displayed in said designated area of said display screen.

2. The method of Claim 1, wherein said step of first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system comprises first determining a quantity of plurality icons defined by vector graphics to be displayed on a display screen of a data processing.

3. The method of Claim 1, wherein said step of first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system comprises first determining a quantity of a plurality of icons defined by bitmapped graphics to be displayed on a display screen of a data processing system.

4. The method of Claim 1, further comprising the step of displaying said plurality of icons on said display screen.

5. The method of Claim 1, further comprising the step of displaying said plurality of icons on said display screen, wherein said plurality of icons comprise a graphic image and a text image.

6. The method of Claim 1, further comprising the step of displaying said plurality icons on said display screen, wherein said plurality of icons only comprise a text image.

7. The method of Claim 4, wherein said step of displaying said plurality of icons on said display screen, comprises displaying said plurality of icons on a display screen, wherein said display screen has a fixed pixel width and a fixed pixel height.

8. A icon scaling system for use with a data processing system having a display, said icon scaling system comprising:

a calculation routine that determines a quantity of a plurality of icons to be displayed on a display screen of a data processing system;

a boundary routine that determines a designated area of said display screen for displaying said plurality of icons; and

a scaling routine that automatically scales said plurality of icons in response to quantity of a plurality of icons and said designated area such that said plurality of icons can be displayed in said designated area of said display screen.

9. The system of Claim 8, wherein said plurality of icons are defined by vector graphics.

10. The system of Claim 8, wherein said plurality of icons are defined by bitmapped graphics.

11. The system of Claim 8, further comprising a display routine that displays said plurality of icons on said display screen.

12. The system of Claim 8, wherein said plurality of icons comprise a graphic image and a text image.

13. The system of Claim 8, wherein said plurality of icons comprise only a text image.

14. The system of Claim 8, wherein said display screen has a fixed pixel width and a fixed pixel height.

15. An article of manufacture for use in a data processing system for scaling icons on a display screen, the article of manufacture comprising computer readable storage media including program logic embedded therein that causes control circuitry to perform the steps of:

first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system;

second determining a designated area of said display screen for displaying said plurality of icons; and

automatically scaling said plurality of icons in response to said quantity of said plurality of icons and said designated area such that said quantity of said plurality of icons can be displayed in said designated area of said display screen.

16. The article of manufacture of Claim 15, wherein said step of first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system comprises first determining a quantity of a plurality of icons defined by vector graphics to be displayed on a display screen of a data processing.

17. The article of manufacture of Claim 15, wherein said step of first determining a quantity of a plurality of icons to be displayed on a display screen of a data processing system comprises first determining a quantity of a plurality of icons defined by bitmapped graphics to be displayed on a display screen of a data processing

system.

18. The article of manufacture of Claim 15, further comprising the step of displaying said plurality of icons on said display screen.

19. The article of manufacture of Claim 15, further comprising the step of displaying said plurality of icons on said display screen, wherein said plurality of icons comprise a graphic image and text image.

20. The article of manufacture of Claim 15, further comprising the step of displaying said plurality of icons on said display screen, wherein said plurality of icons only comprise a text image.

21. The article of manufacture of Claim 18, wherein said step of displaying said plurality of icons on said display screen, comprises displaying said plurality of icons on a display screen, wherein said display screen has a fixed pixel width and a fixed pixel height.

22. A method, for displaying icons within a data processing system having a display screen, comprising the steps of:

determining a size of a designated area of a display screen for displaying a plurality of icons;

displaying said plurality of icons within said determined size of said designated area by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of said plurality of icons displayed within said determined size of said designated area.

23. A method, for displaying icons within a data processing system having a display screen, comprising the steps of:

determining a size of a designated area of a display screen for displaying a plurality of icons;

utilizing a predetermined minimum size and a predetermined maximum size for an individual icon;

displaying said plurality of icons within said determined size of said designated area, based upon said predetermined minimum size and said predetermined maximum size, by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of the plurality of icons displayed within said determined size of said designated area.

24. The method of claim 23 wherein said predetermined minimum size and said predetermined maximum size are predetermined based on user input.

25. A data processing system having a display screen, comprising:

means for determining a size of a designated area of a display screen for displaying a plurality of icons;

means for displaying said plurality of icons within said determined size of said designated area by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of said plurality of icons displayed within said determined size of said designated area.

26. A data processing system for displaying icons on a display screen, comprising:

means for determining a size of a designated area of a display screen for displaying a plurality of icons;

means for utilizing a predetermined minimum size and a predetermined maximum size for an individual icon;

means for displaying said plurality of icons within said determined size of said designated area, based upon said predetermined minimum size and said predetermined maximum size, by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of the plurality of icons displayed within said determined size of said designated area.

27. The data processing system of claim 26 wherein said predetermined minimum size and said predetermined maximum size are predetermined based on user input.

28. The data processing system of claim 26 wherein the data processing system is a hand held device.

29. An article of manufacture for use in a data processing system for scaling icons on a display screen, the article of manufacture comprising computer readable storage media including program logic embedded therein that causes control circuitry to perform the steps of:

determining a size of a designated area of a display screen for displaying a plurality of icons;

displaying said plurality of icons within said determined size of said designated area by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of said plurality of icons displayed within said determined size of said designated area.

30. An article of manufacture for use in a data processing system for scaling icons on a display screen, the article of manufacture comprising computer readable storage media including program logic embedded therein that causes control circuitry to perform the steps of:

determining a size of a designated area of a display screen for displaying a plurality of icons;

utilizing a predetermined minimum size and a predetermined maximum size for an individual icon;

displaying said plurality of icons within said determined size of said designated area, based upon said predetermined minimum size and said predetermined maximum size, by at least one of a) automatically scaling said icons; b) displaying a portion of each one of said plurality of icons; and c) creating a plurality of selectable displayed screen pages wherein each screen page has a portion of the plurality of icons displayed within said determined size of said designated area.

31. The article of manufacture claim 23 wherein said predetermined minimum size and said predetermined maximum size are predetermined based on user input.